



Virginia E-911 Wire & Wireless Update

Division of Public Safety Comm.

April 26, 2002

Richmond, Virginia

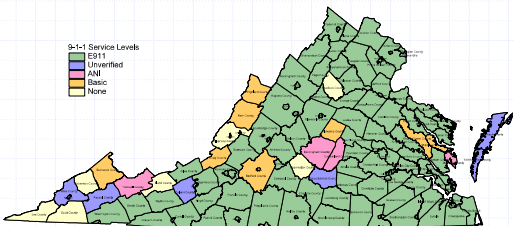


Goal: Statewide Implementation

- ◆ 135 Jurisdictions across Commonwealth.
- ◆ 112 localities provide wireline E-911.
- ◆ 23 localities do not have wireline E-911.
- ◆ Wireless Board and DPSC provide funding and technical support when asked.
- ◆ To date: 81 Phase I grants
27 Phase II grants

Commonwealth of Virginia Wireline E-911 Service Levels

S-1-1 Service Levels
E911
Unverified
ANI
Basic
None

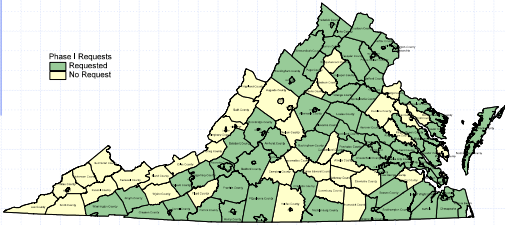


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Commonwealth of Virginia Wireless Phase I Funding

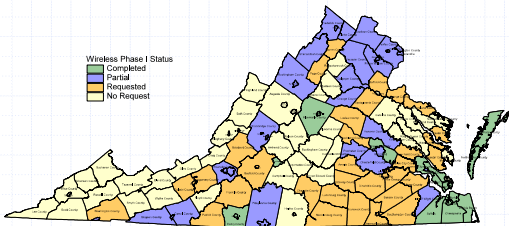
Phase I Requests
Requested
No Request



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Commonwealth of Virginia Wireless Phase I Implementation Status

Wireless Phase I Status
Completed
Partial
Requested
No Request



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House Bill 1611

- ◆ Localities meeting two requirements may be excluded from requirement to implement E-911 by July 1, 2003:
 - 50% or more of the locality's geographic area is unable to receive wireless telephone service; and
 - No taxes are imposed for E-911 services pursuant to §58-3813.1.

Wireline vs Wireless Timeline



- | | |
|---|--|
| <ul style="list-style-type: none"> ◆ Wireline E-911 ◆ NLT 1 July 2003 ◆ Street addressed and Verified ◆ Both ANI and ALI received at PSAP ◆ Phase 0 Wireless | <ul style="list-style-type: none"> ◆ Wireless E-911 ◆ If wireline E-911 before 1 July, 2000; wireless NLT 1 July 02 ◆ If wireline after 1 July 00, then wireless NLT 1 July 03 ◆ Phase 0 (taking calls) ◆ Phase I (ANI & partial ALI) ◆ Phase II (ANI & ALI) |
|---|--|

Wireline E-911



- ◆ 23 localities meet this requirement.
- ◆ \$1.4 million originally allocated.
- ◆ \$9.8 million was requested in FY2002.
- ◆ Funding was not approved.
- ◆ \$9.8 million requested for FY2003.
- ◆ **Approved!!!**

Wireline Funding



- ◆ Non-recurring Grant.
- ◆ Grant Applications due: May 1, 2002
- ◆ Include cost justification documentation, why? Funding up front.
- ◆ Capped Composite Funding Formula used.
- ◆ True-up required.

Wireline Allowable Costs



- ◆ Mapping
- ◆ Addressing
- ◆ Street signage
- ◆ Customer premise equipment (CPE)
- ◆ Initial network costs
- ◆ Project Management

Cost not allowed



- ◆ Recurring E-911 costs
- ◆ Voice logging equipment
- ◆ Computer-aided dispatch
- ◆ Buildings and furnishings
- ◆ Radio systems

Board Policies



- ◆ The Board has adopted two policies impacting wireline E-911 funding:
 - The Board will look favorably upon requests for extensions of time from localities adversely impacted by the lack of State funding; and
 - The Board will consider for funding any costs incurred after July 1, 2000.

Wireline Bottomline



- ◆ Wireline E-911 is a requirement.
- ◆ Grant funding is available now.
- ◆ Get on Board.

Wireless Growth



- ◆ 110 million wireless telephones nationally.
- ◆ 2.5 million wireless telephones in the Commonwealth of Virginia.
- ◆ 65,000 new lines every 24 hours.
- ◆ In 1996, the FCC reacts.

FCC 94-102



- ◆ Complete all calls to 911 regardless of billing.
- ◆ Phase 0 (Not an official Phase)
 - Completing the call directly to the PSAP
- ◆ Phase I
 - Call back number
 - Cell site location - Address antenna sites!!!
- ◆ Phase II
 - Actual location of caller within margin for error

PSAP Wireless Funding Timeline



- ◆ Grant Submission – Oct 1 for next FY
- ◆ Notification of Approval – Mar 1
- ◆ Funds received in 4 equal payments;
Jul, Oct, Jan, and Apr
- ◆ True-up each year – NLT Sep 1

Wireless Grant Funding



- ◆ No funding available for Phase 0 and must have wireline E-911.
- ◆ No secondary PSAPs.
- ◆ All "reasonable and direct" costs of Phase I are funding by the Board.
- ◆ Must commit to and select an implementation date for Phase I before being eligible for funding.

Phase I Funding



- ◆ Dedicated equipment
 - 100% funded by Board.
 - Includes CPE wireless upgrades, call counting software, trunking costs, recorder upgrade, etc.
- ◆ Shared equipment/personnel
 - Partially funded by the Board.
 - Proportion of funding is based on the % of wireless E-911 calls to total calls in the Center, but not less than the state average. (average ranges from 3% to 35% statewide).

Phase I Funding (cont.)



◆ Wireless % of Personnel Costs

To include: F/T salary and benefits
P/T salary
Overtime, Comp time and
holiday pay
Training costs
Professional Dues
Conference Attendance

****Minus Compensation Board Reimbursement****

Phase II Funding



- ◆ Continue Phase I funding.
- ◆ Provide 100% funding for the following:
 - CPE based mapping – initial purchase
 - CAD based mapping – interface and display
 - Separate mapping system – initial purchase
 - Service provider based mapping

Phase II Funding (cont.)



- ◆ Fund PSAP personnel for the mapping function to the wireless percentage (same as other PSAP personnel).
- ◆ Fund addressing equipment (GPS receiver) to the wireless percentage.
- ◆ Do not fund building footprints or parcel outlines.

Phase II Funding (cont.)



- ◆ Provide wireless percentage funding for the following:
 - Replacement of CPE-based systems
 - CPE-based system maintenance
 - Replacement of CAD-based mapping
 - Non-mapping cost of CAD – initial purchase
 - Replacement of Separate system

Project Management



- ◆ \$32K maximum cost recovery for project management for each Phase.
 - 40 hours per month for 8 months @ 100/hour
- ◆ Recommend full cost recovery for regional project management efforts.
 - Consultant selected by Region
 - Invoiced through DPSC
 - Five contiguous localities as minimum to form a region

Regional Efforts



- ◆ Ten regions efforts currently exist in the Commonwealth.
- ◆ Consider joining or forming a new one.
- ◆ Not required.
- ◆ Can assist with the implementation process (strength in numbers).
- ◆ The Board encourages regional efforts.

Tools to Use



- ◆ DPSC Website: www.va911.org
- ◆ PSAP user group: vapsaps@vipnet.org
- ◆ 911 user group: 911@vipnet.org
- ◆ Regional Workgroups
- ◆ Our staff – Steve “the Boss”
Mel “his driver”
Brenda “who really knows what’s
going on”

The MONEY – make a request.
